

# ABSTRACT

To obtain an arc monitor system in which reliability of arc detection is increased by locating an arc based on optimal frames from a frame obtained before an arc discharge to a frame obtained immediately after the arc discharge.

The arc monitor system used to locate a occurred place of an arc discharge occurred in an electric facility, includes multiple monitor cameras 1, 5 which are arranged at multiple places in the electric facility, an image processing device 2 which processes images received from the respective monitor cameras 1, 5, a control logic section 3 which controls the image processing device 2, and an operation device 4 which includes a display section and an operation section and is connected to the control logic section 3. The image processing device 2 and the control logic section 3 extract a change in the images received from the monitor cameras 1, 5 in response to a control signal 10 generated from the electric facility on a occurrence of the arc discharge, and then locate a occurred place of the arc discharge.